



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12451875
SAU: MSAD 51
School: Greely Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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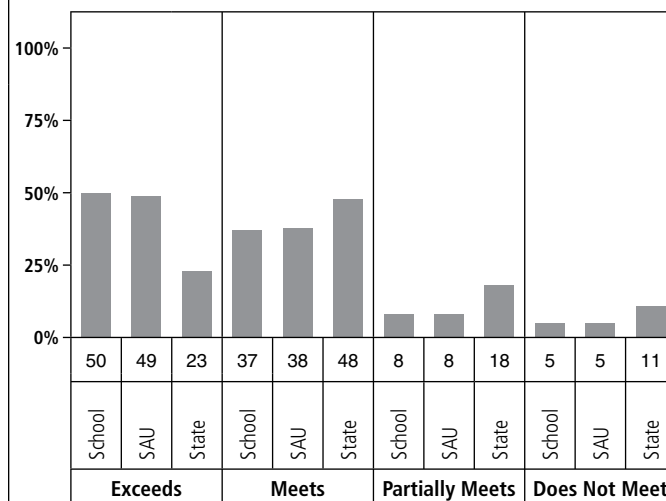
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

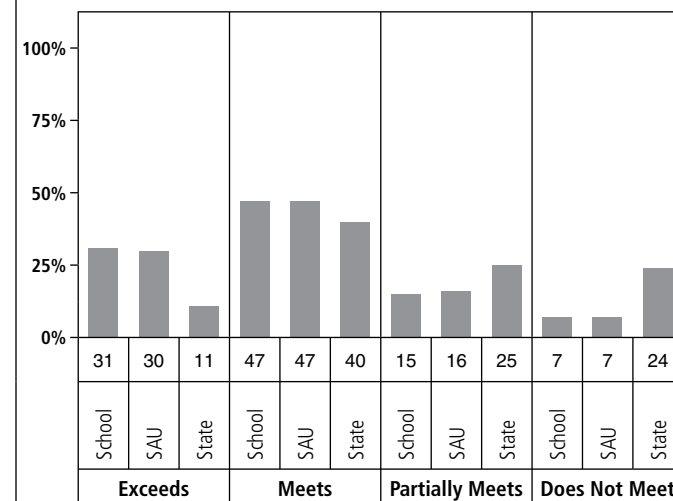
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	856	856	845
2006–2007	856	856	847
2007–2008	859	859	849
Cum. Avg. *	857	857	847
Mathematics			
2005–2006	850	850	840
2006–2007	853	853	842
2007–2008	853	852	841
Cum. Avg. *	852	852	841
Science & Technology			
2005–2006	855	855	846
2006–2007	855	855	847
2007–2008	857	856	847
Cum. Avg. *	856	855	847

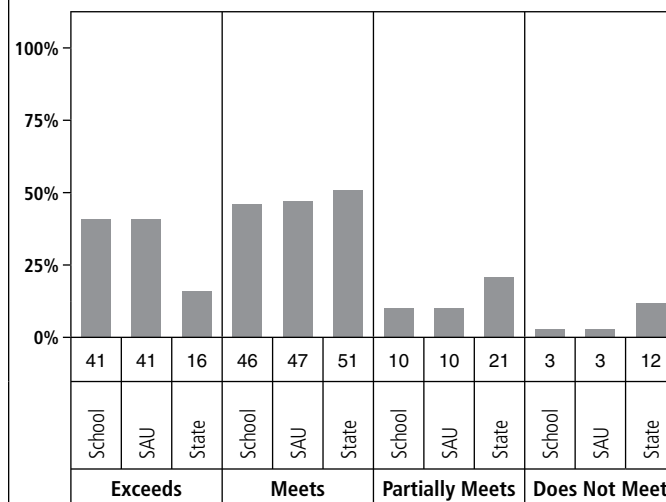
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: MSAD 51
 School: Greely Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	180	100	180	100	15274	100	179	100	179	100	15102	99	179	100	179	100	15097	99	179	100	179	100	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	3	2	3	2	139	1	3	100	3	100	136	98	3	100	3	100	136	98	3	100	3	100	136	98						
Caucasian/White	177	98	177	98	14461	95	176	100	176	100	14312	99	176	100	176	100	14302	99	176	100	176	100	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	17	9	18	10	2508	16	17	100	18	100	2446	98	17	100	18	100	2441	98	17	100	18	100	2431	98						
Current LEP	2	1	2	1	327	2	2	100	2	100	316	97	2	100	2	100	322	99	2	100	2	100	322	99						
Economically disadvantaged	13	7	13	7	5420	35	13	100	13	100	5329	99	13	100	13	100	5324	99	13	100	13	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	158	88	157	87	12703	83	160	89	159	88	12694	83	158	88	157	87	12710	83						
Identified disability (PET/IEP)	1	1	1	1	437	3	1	1	1	1	421	3	1	1	1	1	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	2	1	2	1	229	2	2	1	2	1	231	2	2	1	2	1	230	2						
Participation with accommodations	19	11	20	11	2221	15	17	9	18	10	2227	15	19	11	20	11	2197	14						
Identified disability (PET/IEP)	14	74	15	75	1832	82	14	82	15	83	1844	83	14	74	15	75	1813	83						
LEP	2	11	2	10	136	6	2	12	2	11	143	6	2	11	2	10	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	3	16	3	15	213	10	1	6	1	6	202	9	3	16	3	15	204	9						
Participation through alternate assessment (PAAP)	2	1	2	1	177	1	2	1	2	1	176	1	2	1	2	1	173	1						
Identified disability (PET/IEP)	2	100	2	100	177	100	2	100	2	100	176	100	2	100	2	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	1	1	1	1	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	69	32	69	32	2695	17
	2006-2007	60	34	60	34	2407	16
	2007-2008	88	50	87	49	3428	23
	Cum. Total*	217	38	216	38	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	115	54	115	54	6830	42
	2006-2007	91	51	91	51	7494	49
	2007-2008	66	37	67	38	7179	48
	Cum. Total*	272	48	273	48	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	24	11	24	11	3741	23
	2006-2007	24	13	24	13	3628	24
	2007-2008	14	8	14	8	2706	18
	Cum. Total*	62	11	62	11	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	5	2	5	2	3003	18
	2006-2007	4	2	4	2	1810	12
	2007-2008	9	5	9	5	1611	11
	Cum. Total*	18	3	18	3	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	42.2	75.4	42.2	75.4	36.9	65.9
Literary Text	28	50	20.7	73.9	20.6	73.6	18.3	65.4
Informational Text	28	50	21.6	77.1	21.5	76.8	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	177	88	50	66	37	14	8	9	5	859	177	49	38	8	5	859	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	3										3						131	18	38	27	17	846
Caucasian/White	174	87	50	65	37	13	7	9	5	859	174	49	38	7	5	859	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	1	7	6	40	8	53	828	16	0	13	38	50	829	2269	3	24	32	42	833
No	162	88	54	65	40	8	5	1	1	862	161	54	40	5	1	862	12655	27	52	16	5	852
Current LEP																						
Yes	2										2						308	8	30	27	34	837
No	175	88	50	64	37	14	8	9	5	859	175	50	37	8	5	859	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	13	3	23	5	38	3	23	2	15	848	13	23	38	23	15	848	5222	12	44	25	19	843
No	164	85	52	61	37	11	7	7	4	860	164	51	38	7	4	860	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	177	88	50	66	37	14	8	9	5	859	177	49	38	8	5	859	14917	23	48	18	11	849
Gender																						
Female	91	56	62	27	30	6	7	2	2	863	90	61	30	7	2	863	7198	30	48	15	7	853
Male	86	32	37	39	45	8	9	7	8	854	87	37	46	9	8	854	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	177	88	50	66	37	14	8	9	5	859	177	49	38	8	5	859	14117	24	49	17	10	850
Gifted/talented program																						
Yes	11	11	100	0	0	0	0	0	0	876	11	100	0	0	0	876	592	71	28	1	0	867
No	166	77	46	66	40	14	8	9	5	858	166	46	40	8	5	858	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	2 28 59 11	1 14 56 17	25 29 54 85	1 25 39 1	25 51 38 5	0 8 5 0	0 16 5 0	2 2 3 2	50 4 3 10	848 852 862 863	2 28 58 11	25 28 54 85	25 52 38 5	0 16 5 0	50 4 3 10	848 852 862 863	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	25 62 11 2	24 58 5 1	53 53 26 25	17 41 7 1	38 38 37 25	3 7 4 0	7 6 21 0	1 3 3 2	2 3 16 50	860 861 850 840	26 61 11 2	52 53 26 25	39 38 37 25	7 6 21 0	2 3 16 50	859 861 850 840	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	36 47 17 1	42 45 0 0	67 55 0 0	19 29 18 0	30 35 60 0	0 7 7 0	0 9 23 0	2 1 5 1	3 1 17 100	865 861 843 814	36 47 17 1	65 55 0 0	32 35 60 0	0 9 23 0	3 1 17 100	865 861 843 814	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	15 66 19	13 54 21	50 47 64	7 49 10	27 42 30	2 9 2	8 8 6	4 4 0	15 3 0	856 858 865	15 66 19	50 46 64	27 43 30	8 8 6	15 3 0	856 858 865	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 53 39	4 41 41	31 45 61	3 41 22	23 45 33	3 7 2	23 8 3	3 3 2	23 3 3	847 859 862	8 54 38	31 44 61	23 45 33	23 8 3	23 3 3	847 859 862	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	47 52 1	43 45 0	52 49 0	27 38 1	33 41 50	8 6 0	10 7 0	4 3 1	5 3 50	860 859 838	47 52 1	52 48 0	33 42 50	10 7 0	5 3 50	860 859 838	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	13 55 15 16	13 50 19 6	57 52 70 21	10 36 5 15	43 37 19 52	0 7 2 5	0 7 7 17	0 4 1 3	0 4 4 10	864 860 862 848	13 56 15 16	55 51 70 21	45 38 19 52	0 7 7 17	0 4 4 10	864 860 862 848	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	48 48 3 1	45 40 3 0	53 48 60 0	33 31 1 1	39 37 20 50	5 8 1 0	6 10 20 0	2 5 0 1	2 6 0 50	861 858 860 833	48 48 3 1	53 46 60 0	39 38 20 50	6 10 20 0	2 6 0 50	861 857 860 833	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	33 0 33 33	0 0 0	0 0 0	1 0 0	100 0 0	0 0 0	0 0 0	0 1 1	0 100 100	842 814 818	33 0 33 33	0 0 0	100 0 0	0 0 0	0 100 100	842 814 818						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	55	26	55	26	1714	11
	2006-2007	50	28	50	28	1952	13
	2007-2008	54	31	53	30	1657	11
	Cum. Total*	159	28	158	28	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	95	44	95	44	5533	34
	2006-2007	90	50	90	50	5870	38
	2007-2008	83	47	83	47	5956	40
	Cum. Total*	268	47	268	47	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	45	21	45	21	4764	29
	2006-2007	29	16	29	16	3982	26
	2007-2008	27	15	28	16	3729	25
	Cum. Total*	101	18	102	18	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	19	9	19	9	4251	26
	2006-2007	10	6	10	6	3534	23
	2007-2008	13	7	13	7	3579	24
	Cum. Total*	42	7	42	7	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	10.5	65.6	10.5	65.6	8.4	52.5
Cluster 2: Shape and Size	14	25	8.3	59.3	8.3	59.3	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	5.6	70.0	5.6	70.0	4.6	57.5
Cluster 4: Patterns	18	32	11.4	63.3	11.4	63.3	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 51
 School: Greely Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	177	54	31	83	47	27	15	13	7	853	177	30	47	16	7	852	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	3										3						131	7	34	26	33	836
Caucasian/White	174	54	31	82	47	25	14	13	7	853	174	30	47	15	7	853	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	0	0	5	33	10	67	820	16	0	0	38	63	821	2265	1	14	22	62	824
No	162	54	33	83	51	22	14	3	2	856	161	33	52	14	2	856	12656	13	45	26	17	844
Current LEP																						
Yes	2										2						315	5	24	20	51	828
No	175	54	31	82	47	26	15	13	7	853	175	30	47	15	7	853	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	13	0	0	3	23	6	46	4	31	836	13	0	23	46	31	836	5217	5	30	29	37	834
No	164	54	33	80	49	21	13	9	5	854	164	32	49	13	5	854	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	177	54	31	83	47	27	15	13	7	853	177	30	47	16	7	852	14914	11	40	25	24	841
Gender																						
Female	91	30	33	47	52	9	10	5	5	856	90	32	52	10	6	855	7199	11	40	26	23	841
Male	86	24	28	36	42	18	21	8	9	850	87	28	41	22	9	849	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	177	54	31	83	47	27	15	13	7	853	177	30	47	16	7	852	14115	12	41	25	23	842
Gifted/talented program																						
Yes	11	7	64	4	36	0	0	0	0	867	11	64	36	0	0	867	592	58	39	2	1	864
No	166	47	28	79	48	27	16	13	8	852	166	28	48	17	8	851	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	2	1	25	1	25	0	0	2	50	841	2	25	25	0	50	841	9	5	30	23	41	833
B. less than one hour	28	7	14	21	43	17	35	4	8	846	28	14	42	36	8	846	46	10	40	26	25	840
C. one to two hours	59	36	35	54	52	9	9	4	4	856	58	34	53	9	4	855	41	14	42	25	19	843
D. more than two hours	11	10	50	7	35	0	0	3	15	857	11	50	35	0	15	857	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	23	17	43	16	40	4	10	3	8	858	23	40	40	13	8	857	30	17	43	22	18	845
B. They match some of what I have learned.	58	32	31	48	47	18	18	4	4	853	58	31	47	18	4	853	50	10	42	26	22	841
C. They match just a little of what I have learned.	16	4	14	17	61	3	11	4	14	848	16	14	61	11	14	848	17	6	32	29	33	836
D. There is no match.	3	1	17	2	33	2	33	1	17	843	3	17	33	33	17	843	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	41	41	57	25	35	3	4	3	4	861	41	56	35	4	4	861	26	29	46	14	11	851
B. good	44	11	14	45	58	15	19	6	8	849	45	14	58	21	8	849	45	7	46	27	20	841
C. fair	14	2	8	11	46	8	33	3	13	842	14	8	46	33	13	842	23	1	26	34	38	833
D. poor	1	0	0	0	0	1	100	0	0	836	1	0	0	100	0	836	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	26	5	11	24	55	8	18	7	16	846	26	11	55	18	16	846	34	4	35	28	32	836
B. about the same as my regular schoolwork	52	22	24	48	53	17	19	3	3	852	53	24	53	20	3	852	52	10	43	26	21	842
C. easier than my regular schoolwork	22	27	71	9	24	0	0	2	5	864	22	70	24	0	5	864	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	44	22	29	34	45	12	16	8	11	851	44	29	45	16	11	851	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	51	31	35	44	49	11	12	3	3	855	51	34	49	13	3	855	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	5	1	13	3	38	3	38	1	13	845	5	13	38	38	13	845	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	2	2	50	1	25	0	0	1	25	849	2	50	25	0	25	849	9	6	38	27	29	837
B. two or three days a week	3	1	17	4	67	1	17	0	0	854	3	17	67	17	0	854	16	8	38	27	27	839
C. two or three times each month	26	7	16	27	60	8	18	3	7	850	26	16	60	18	7	850	28	12	41	27	21	843
D. never or almost never	69	44	36	51	42	17	14	9	7	854	69	36	42	15	7	854	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	21	9	24	15	41	8	22	5	14	848	20	22	42	22	14	847	38	14	42	23	21	843
B. two or three times a week	37	20	31	32	49	8	12	5	8	853	38	30	48	14	8	853	33	10	41	26	23	841
C. two or three times each month	24	11	26	23	55	6	14	2	5	852	24	26	55	14	5	852	18	10	36	27	27	840
D. never or almost never	18	14	44	13	41	4	13	1	3	858	18	44	41	13	3	858	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	58	31	30	47	46	14	14	10	10	852	58	30	46	14	10	852	54	14	44	23	18	844
B. agree	37	21	32	31	48	11	17	2	3	854	36	31	48	17	3	853	38	8	36	27	28	838
C. disagree	3	1	17	3	50	2	33	0	0	849	4	14	43	43	0	847	6	6	31	28	36	835
D. strongly disagree	2	1	25	2	50	0	0	1	25	849	2	25	50	0	25	849	2	3	23	25	49	831
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	834	33	0	0	100	0	834						
B.	0										0											
C.	33	0	0	0	0	0	0	1	100	810	33	0	0	0	100	810						
D.	33	0	0	0	0	0	0	1	100	800	33	0	0	0	100	800						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	57	26	57	26	1879	12
	2006-2007	55	31	55	31	2192	14
	2007-2008	73	41	72	41	2371	16
	Cum. Total*	185	32	184	32	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	131	60	131	60	8604	53
	2006-2007	96	54	96	54	7916	52
	2007-2008	82	46	83	47	7630	51
	Cum. Total*	309	54	310	54	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	23	11	23	11	3618	22
	2006-2007	23	13	23	13	3340	22
	2007-2008	17	10	17	10	3175	21
	Cum. Total*	63	11	63	11	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	6	3	6	3	2174	13
	2006-2007	5	3	5	3	1865	12
	2007-2008	5	3	5	3	1731	12
	Cum. Total*	16	3	16	3	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	9.4	67.1	9.3	66.4	8.1	57.9
Cluster 2: Physical Sciences	14	25	8.7	62.1	8.7	62.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	9.7	69.3	9.7	69.3	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	9.9	70.7	9.9	70.7	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	177	73	41	82	46	17	10	5	3	857	177	41	47	10	3	856	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	3										3						131	5	50	22	23	842
Caucasian/White	174	72	41	80	46	17	10	5	3	857	174	41	47	10	3	856	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	4	27	7	47	4	27	834	16	0	31	44	25	835	2258	3	29	31	37	836
No	162	73	45	78	48	10	6	1	1	859	161	45	48	6	1	859	12649	18	55	20	7	850
Current LEP																						
Yes	2										2						315	4	29	25	42	834
No	175	73	42	81	46	16	9	5	3	857	175	41	47	9	3	857	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	13	2	15	5	38	5	38	1	8	843	13	15	38	38	8	843	5206	8	45	28	20	842
No	164	71	43	77	47	12	7	4	2	858	164	43	48	7	2	857	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	177	73	41	82	46	17	10	5	3	857	177	41	47	10	3	856	14900	16	51	21	12	847
Gender																						
Female	91	41	45	40	44	8	9	2	2	858	90	44	44	9	2	857	7196	14	52	23	12	847
Male	86	32	37	42	49	9	10	3	3	855	87	37	49	10	3	855	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	177	73	41	82	46	17	10	5	3	857	177	41	47	10	3	856	14103	16	52	21	11	848
Gifted/talented program																						
Yes	11	10	91	1	9	0	0	0	0	869	11	91	9	0	0	869	592	63	35	1	0	865
No	166	63	38	81	49	17	10	5	3	856	166	37	49	10	3	856	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 51
School: Greely Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	2 28 59 11	2 13 49 9	50 27 48 45	0 25 47 9	0 51 46 45	1 9 5 2	25 18 5 10	1 2 2 0	25 4 2 0	848 852 859 860	2 28 58 11	50 26 47 45	0 52 46 45	25 18 5 10	25 4 2 0	848 852 858 860	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	28 55 14 3	29 37 7 0	58 38 29 0	17 47 13 5	34 48 54 83	3 11 2 1	6 11 8 17	1 2 2 0	2 2 8 0	861 856 850 848	28 55 14 3	56 38 29 0	36 48 54 83	6 11 8 17	2 2 8 0	861 856 850 848	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	21 58 20 1	23 43 6 0	62 42 17 0	13 50 17 2	35 49 49 100	1 6 10 0	3 6 29 0	0 3 2 0	0 3 6 0	864 857 848 853	21 58 20 1	59 42 17 0	38 49 49 100	3 6 29 0	0 3 6 0	863 857 848 853	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	27 61 12	13 50 10	27 47 48	26 45 10	54 42 48	7 9 0	15 8 0	2 2 1	4 2 5	852 858 858	27 61 12	27 46 48	54 43 48	15 8 0	4 2 5	852 858 858	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	40 57 3	26 46 1	37 46 20	36 42 3	51 42 60	4 11 1	6 11 20	4 1 0	6 1 0	856 858 850	40 57 3	37 45 20	51 43 60	6 11 20	6 1 0	856 857 850	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	25 25 27 22	11 24 25 12	26 56 56 32	26 13 17 21	60 30 38 55	4 5 2 5	9 12 4 13	2 1 1 0	5 2 2 0	852 861 859 855	25 25 26 23	26 56 55 31	60 30 39 56	9 12 5 13	5 2 2 0	852 861 859 855	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	23 62 12 3	21 46 5 1	51 42 24 20	17 51 11 2	41 47 52 40	2 10 3 2	5 9 14 40	1 2 2 0	2 2 10 0	860 857 852 851	23 63 12 3	50 42 24 20	43 47 52 40	5 9 14 40	3 2 10 0	860 856 852 851	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	22 43 27 8	19 34 16 3	49 45 34 21	18 33 23 7	46 44 49 50	1 6 7 3	3 8 15 21	1 2 1 1	3 3 2 7	859 858 854 850	22 43 27 8	49 44 34 21	46 45 49 50	3 8 15 21	3 3 2 7	859 858 854 850	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	33 0 33 33	0 0 0	0 0 0	1 0 0	100 0 0	0 1 0	0 100 0	0 0 1	0 0 100	842 840 808	33 0 33 33	0 0 0	100 100 0	0 0 0	0 0 100	842 840 808						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number